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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|-----------------|----------------------------|-------------------------|-----------------------------|------------------|--|
| 10/520,701 | 01/06/2005 | Hidetaka Oka | EL/2-22711/A/CGJ 128/PCT | 2587 | |
| 324 | 7590 09/25/2006 | | EXAM | INER | |
| | CIALTY CHEMICALS EPARTMENT | VISCONTI, GERALDINA | | | |
| | PLAINS RD | • | ART UNIT | PAPER NUMBER | |
| POBOX 20 | P O BOX 2005 | | | 1752 | |
| TARRYTO | WN, NY 10591-9005 | DATE MAILED: 09/25/2006 | | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

| | Application No. | Applicant(s) | | | |
|---|--|--|--|--|--|
| | 10/520,701 | OKA ET AL. | | | |
| Office Action Summary | Examiner | Art Unit | | | |
| | Geraldina Visconti | 1752 | | | |
| The MAILING DATE of this communication app Period for Reply | ears on the cover sheet with the c | orrespondence address | | | |
| A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). | ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tirr rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE | l. lely filed the mailing date of this communication. O (35 U.S.C. § 133). | | | |
| Status | | | | | |
| 1)⊠ Responsive to communication(s) filed on <u>24 Ju</u> | Responsive to communication(s) filed on 24 July 2006. | | | | |
| 2a)⊠ This action is FINAL . 2b)☐ This |)⊠ This action is FINAL . 2b) This action is non-final. | | | | |
| 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is | | | | | |
| closed in accordance with the practice under E | x parte Quayle, 1935 C.D. 11, 45 | 3 O.G. 213. | | | |
| Disposition of Claims | | | | | |
| 4) ☐ Claim(s) 1-7,9 and 10 is/are pending in the approach 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-7,9,10 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or | vn from consideration. | | | | |
| Application Papers | | | | | |
| 9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the orange Replacement drawing sheet(s) including the correction of the orange replacement or declaration is objected to by the Example 11) The oath or declaration is objected to by the Example 11. | epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj | e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d). | | | |
| Priority under 35 U.S.C. § 119 | | | | | |
| 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. | | | | | |
| | Ue. | uldere Vissorti | | | |
| Attachment(s) | 1510 | Geralding Miscouti | | | |
| Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date | 4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa | Gladine Visconti Gladine Visconti (PTO-413) Primary Examine te Primary Examine atent Application Au 1752_ | | | |
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This office action is responsive to the Amendment filed July 24, 2006. Claim 8 has been canceled. Claims 1-7, 9 and 10 are pending and presently under consideration in this application.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-7, 9 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Elzer et al. (U.S. Patent No. 4,725,524) in view of either Burri (U.S. Patent No. 4,154,463) or Iwasaki et al. (U.S. Patent No. 4,598,036), for the reasons of record.

Elzer et al. discloses a process for preparing a dry film resist, which process comprises forming a photocurable resin composition onto a support film with a thickness of 1 to 50μm and optionally laminate a protective film onto the photocurable composition layer to obtain a dry film resist; whereby the photocurable resin is formed from a homogeneous mixture comprising (a) from 20-90 wt % of an alkaline soluble binder oligomer or polymer; (b) from 5 to 60 wt % of one or more photopolymerizable monomers which are compatible with the oligomers and polymers of component (a); (c) from 0.01 to 20% by weight of one or more photoinitiators; and (d) from 0 to 20% by weight of additives and/or assistants, wherein the total of the wt% of (a) to (d) is 100% by weight. Although Elzer et al. does not disclose the leuco triphenylmethane dye of the

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instant formula I, the use of the leuco triphenylmethane dye of the instant formula I as a color former in film resists as well known in the art, as illustrated in each of Burri and Iwasaki et al. It would have been obvious to one of ordinary skill in the requisite art at the time the invention was made to incorporate a leuco triphenylmethane dye of the instant formula I into the dry film resist of Elzer et al. as component (d) therein, with reasonable expectations of achieving, absent object evidence to the contrary, the advantages taught therein as well as those associated with the use of the leuco triphenylmethane compound.

Please refer to the following paragraph 3.

Response to Arguments

- 3. Applicant's arguments filed July 24, 2006 have been fully considered but they are not persuasive. Applicants refer to the experimental data herein the specification as an illustration of the unexpected results achieved with the present invention. However, the experiments herein the specification use only leuco crystal violet as the comparative dye. The primary reference, i.e., Elzer et al. (U.S. Patent No. 4,725,524), does not utilize leuco crystal violet. Therefore the data herein the specification fails to provide a direct comparison with the closest prior art of record.
- 4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Geraldina Visconti whose telephone number is (571) 272-1334. The examiner can normally be reached 8:00am to 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly can be reached on (571) 272-1526. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Geraldina Visconti Primary Examiner

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